

FORM PTO-1449 (MODIFIED)		ATTORNEY DOCKET NO.	SERIAL NO
<p style="text-align: center;">LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS INFORMATION DISCLOSURE STATEMENT</p>		Berkey 48-8-2A	To Be Assigned
		APPLICANT Berkey et al.	
		FILING DATE Herewith	GROUP: 1756

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 09/09/01
 06/06/01

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date if Approp.
<i>JLC</i>	AA1	5,698,484	12/16/97	Maxon	501	54	
	AB1	5,702,495	12/30/97	Hiraiwa et al.	65	17.1	
	AC1	5,702,847	12/30/97	Tarumoto et al.	430	5	
	AD1	5,707,908	1/13/98	Komine et al.	501	53	
	AE1	5,735,921	4/7/98	Araujo et al.	65	32.1	
	AF1	5,764,345	6/9/98	Fladd et al.	356	35.5	
	AG1	5,837,024	11/17/98	Fabian	65	17.4	
<i>JLC</i>	AK1	5,970,746	10/26/99	Fujinoki et al.	65	102	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Translation Yes	No
<i>JLC</i>	AA	98/27018	6/25/98	PCT	C03B	19/14	X	
	AB	98/52879	11/26/98	PCT	C03B	19/14	X	
	AC	0 401 845 A2	12/12/90	EPO	G02B	1/00	X	
	AD	0 483 752 A2	5/6/92	EPO	C03C	3/06	X	
	AE	0 488 320 A1	6/3/92	EPO	C03C	3/06	X	
	AF	0 607 433 B1	11/4/98	EPO	C03B	23/06	X	
	AG	0 636 586 A1	2/1/95	EPO	C03C	3/06	X	
	AH	0 870 737 A1	10/14/98	EPO	C03C	3/06	X	
	AI	0 901 989 A1	3/17/99	EPO	C03B	19/14	X	
	AJ	2,184,434	6/24/87	United Kingdom	C03B	20/00	X	
	AK	2,704,015 A1	8/3/78	Germany	C03B	23/04	X	
	AL	63-210044	8/31/88	Japan	C03C	17/245	X	
	AM	1-138145	5/31/89	Japan				X
	AN	62-235223	10/15/87	Japan (abstract)	C03B	20/00		X
<i>JLC</i>	AO	67/22389	11/1/67	Japan				X

EXAMINER: *J. Bosacco*

DATE CONSIDERED: *129/03*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (MODIFIED)

LIST OF PATENTS AND
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FOR APPLICANTS INFORMATION
DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.

Berkey 48-8-2

SERIAL NO.

To Be Assigned

APPLICANT Berkey et al.

FILING DATE Herewith

GROUP: 1756

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U.S. 03/06/01

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AA	Douglas Allan, Charlene Smith, N.F. Borrelli and T. P. Seward III, <i>193-nm excimer-laser-induced densification of fused silica</i> , OPTICS LETTERS/Vol. 21, No. 24/December 15 1996, pp. 1960-1962
	AB	Roger J. Araujo, Nicholas F. Borrelli and Charlene Smith, <i>INDUCED ABSORPTION IN SILICA (A PRELIMINARY MODEL)</i> , SPIE Vol. 3424, 1998, pp. 25-32.
	AC	George H. Beall, <i>INDUSTRIAL APPLICATIONS OF SILICA</i> , Reviews in Mineralogy, 29, pp. 469-505
	AD	N.F. Borrelli, Charlene Smith, Douglas C. Allan and T.P. Seward III, <i>Densification of fused silica under 193-nm excitation</i> , J. Opt. Soc. Am B/Vol 14, No. 7/July 1997, pp. 1606-1615.
	AE	J.W. Fleming and D.L. Wood, <i>refractive index dispersion and related properties in fluorine doped silica</i> , APPLIED OPTICS/Vol. 22, No. 19/October 1, 1983, pp. 3102-3104.
	AF	David L. Griscom, <i>Optical Properties and Structure of Defects in Silica Glass</i> , The Centennial Memorial Issue, 99[10], 1991, pp. 926-942.
	AG	Hideo Hosono, Masafumi Mizuguchi, and Hiroshi Kawazoe, <i>Effects of fluorine dimer excimer laser radiation on the optical transmission and defect formation of various types of synthetic SiO₂ glasses</i> , APPLIED PHYSICS LETTERS, Vol. 74, No. 19, 10 May 1999, pp. 2755-2757.
	AH	Toshio Ibuki et al., <i>ABSORPTION SPECTRA OF SiCl₄, SiCl₆, SiF₃CH₃ AND GeF₄ IN THE VUV REGION</i> , Chemical Physics Letters, Vol. 136, No. 5, 15 May 1987, pp. 447-450.
	AI	W.D. Kingery, H.K. Brown, and D. R. Uhlmann, <i>Introduction to Ceramics</i> , Second Edition, John Wiley & Sons, 1976. pg. 654.
	AJ	M. Kyoto, Y. Ohoga, S. Ishikawa, Y. Ishiguro, <i>Research and Development Group, Sumitomo Electric Industries Ltd</i> , 1993 Chapman and Hall, pp. 2738-2744.
	AK	I. H. Malitosn, <i>Interspecimen Comparison of the Refractive Index of Fused Silica</i> , Journal of the Optical Society of America, Vol. 55, No. 10, pp. 1205-1209.
	AL	James A. McClay and Angela S.L. McIntyre, <i>157 nm optical lithography: The accomplishments and the challenges</i> , Solid State Technology, June 1999, pp. 57-68.
	AM	Taro Moritani et al., "Glass Engineering Handbook," April 20, 1964, Asakura Shoten, p. 611, Clause 2.1 Fabrication.,

EXAMINER: *J. Coates*

DATE CONSIDERED: *1/29/03*

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<p style="text-align: center;">LIST OF PATENTS AND PUBLICATIONS</p> <p style="text-align: center;">FOR APPLICANTS INFORMATION</p> <p style="text-align: center;">DISCLOSURE STATEMENT</p>			Berkey 48-8-2	To Be Assigned
			APPLICANT Berkey et al.	
			FILING DATE Herewith	GROUP: 1756

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

<i>DR</i>	AN		M. Rothschild, D.J. Ehrlich & D.C. Shaver, <i>Effects Of Excimer Laser Irradiation On The Transmission, Index Of Refraction, And Density Of Ultraviolet Grade Fused Silica</i> , Appl. Phys. Lett 55(13) 9/25/99, pp. 1276-1278
	AO		Charlene M. Smith, Lisa A. Moore, <i>Fused Silica for 157 nm Transmittance</i> , SPIE Vol. 3676, 15-17 March 1999, pp. 834-841.
	AP		D.R. Sempolinski, T.P. Seward, C. Smith, N. Borrelli, C. Rosplock, <i>Effects of Glass Forming conditions on the KrF-Excimer-Laser-Induced Optical Damage In Synthetic Fused Silica</i> , Journal of Non-Crystalline Solids 203 (1996) pp. 69-77
	AQ		Richard H. Stulen & donald W. Sweeney, <i>Extreme Ultraviolet Lithography</i> , Optics & Photonics News, August 1999, Vol. 10, No. 8, pp. 34-38
	AR		Richard E. Schenker & William G. Oldham, <i>Ultraviolet-induced Densification In Fused Silica</i> , J. Appl. Phys. 82 (3), 1 August 1997, pp. 1065-1071
	AS		Koji Tsukuma, N. Yamada, S. Kondo, K. Honda & H. Segawa, <i>Refractive Index, Dispersion and Absorption of Fluorine-Doped Silica glass in the Deep UV Region</i> , Journal of Non-Crystalline Solids 127 (1991), pp. 191-196
	AT		H. Takahashi, A. Oyobe, M. Kosuge & R. Setaka, <i>Characteristics of Fluorine-Doped Silica Glass</i> , Technical Digest: European Conference on Optical Communication, (1986) pp. 3-6
	AU		K. Tsukuma, N. Yamada, S. Kondo, K. Honda & H. Segawa, <i>Refractive Index, Dispersion and Absorption of Fluorine-Doped Silica Glass in the Deep UV Region</i> , Journal of Non-crystalline Solids 127 (1991), pp. 191-196
	AV		W. Vogel, Chemistry of Glass, The American Ceramic Society, Inc. (1985), pp. 203-205.
	AW		PTO: 96-0383, Journal, Title: Sheet Glass
	AX		Corning HPFS®, ArF Grade, Product Literature, 1999
	AY		Shin-Etsu Chemical Homepage, Semiconductor Materials Division, http://www.shinetsu.co.jp/english/profile/division/sem-div/sem-div.html , (5/17/99) pp. 1-2
<i>DR</i>	AZ		Purity and Chemical Reactivity, Isimoto Co., Ltd. Homepage, Purity and Chemical Reactivity, http://www.isimoto.com/isimoto/english/feature1.html , (5/17/99) pp. 1-3

EXAMINER: *E. Bracco*

DATE CONSIDERED: *1/29/03*

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		FILING DATE Herewith	GROUP: 1756

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

<i>[Signature]</i>	AA1	Products for Optics, Isimoto Co., Ltd. Homepage, http://www.isimoto.com/isimoto/english/variation_3.html , (5/17/99) pp. 1-2
	AB1	Product Information, Isimoto Co., Ltd. Homepage, http://www.isimoto.com/isimoto/english/product_info.html , (5/17/99) pp. 1-4
	AC1	High Purity Quartz Glass Products, http://www.toshiba-ceramics.com/quartz.html , (5/17/99) pp. 1-2
	AD1	Heraeus Quarzglas, Fused Silica for 157 nm photomasks, Bruno Uebbing 157 nm workshop, 2/16/99 Phoenix/USA, pp. 1-5
	AE1	Heraeus, Product Literature, Quartz Glass for Optics Optical Properties, Edition 1994
	AF1	Heraeus Amersil, Product Literature, The Leader in Silica Glass & Fabricated Quartz Glass Semiconductor Products: CVD Tubes, (9/14/99)
	AG1	Heraeus Amersil, Product Literature, The Leader in Silica Glass & Fabricated Quartz Glass: Diffusion Tubes, (9/14/99)
	AH1	Heraeus Amersil, Product Literature, The Leader in Silica Glass & Fabricated Quartz Glass Semiconductor Products: Furnace Tubes, (9/14/99)
	AI1	Heraeus Amersil, Product Literature, The Leader in Silica Glass & Fabricated Quartz Glass Semiconductor Products: Windows, (9/14/99)
	AJ1	Heraeus Amersil, Product Literature, The Leader in Silica Glass & Fabricated Quartz Glass Semiconductor Products: Optical Propertie, (9/14/99)
	AK1	Heraeus Amersil, Product Literature, The Leader in Silica Glass & Fabricated Quartz Glass Semiconductor Products: Thermal Properties, (9/14/99)
	AL1	Heraeus Amersil, Product Literature, The Leader in Silica Glass & Fabricated Quartz Glass Semiconductor Products: Raw Materials, (9/14/99)
<i>[Signature]</i>	AM1	Heraeus Amersil, Product Literature, The Leader in Silica Glass & Fabricated Quartz Glass Semiconductor Products: Corporate Profile, (9/14/99)

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REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date if Approp.
AR	AA	4,676,814	6/30/87	Ross et al.	65	3.12	
AR	AB	5,935,733	8/10/99	Scott et al.	430	5	
AR	AC	5,699,183	12/1997	Hiraiwa et al.	359	355	
	AD	6,087,283	7/2000	Jinbo et al.	501	54	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Translation Yes No
AR	AK	0 163 752	12/11/85	EPO	C03B	37/018	X
	AL	0 691 312	1/10/96	EPO	C03C	3/06	X
	AM	0 147 029	7/3/85	EPO	C03B	37/016	X
	AN	0 691 312	1/10/96	EPO	C03C	3/06	X
	AO	0 735 006	10/2/96	EPO	C03B	19/14	X
	AP	257,590	3/24/27	United Kingdom			
AR	AQ	2,184,434	6/24/87	United Kingdom	C03B	20/00	

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

AR	AR	Patent Abstracts of Japan, vol. 1996, no. 07, 31 July 1996, JP 08067530, SUMITOMO ELECTRIC IND LTD., 12 March 1996, Abstract.
AR	AS	Patent Abstracts of Japan, vol. 012, no 191 (C-501), 3 June 1988, JP 62-297233, FUJITSU LTD., 24 December 1987, Abstract.
AR	AT	Patent Abstracts of Japan, vol. 006, no. 252 (P-161), 10 December 1982, JP 57-147604, NIPPON DENKI KK, 11 September 1982, Abstract.

EXAMINER: AR Casasco DATE CONSIDERED: 1/29/03

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REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date if Approp.
<i>JL</i>	AA	1,283,333	10/29/18	Shaw			
	AB	2,188,121	1/23/40	Smith	47	78.1	
	AC	3,740,207	6/19/73	Bogrets et al.	65	67	
	AD	3,933,454	1/20/76	DeLuca	65	3	
	AE	4,221,825	9/9/80	Guerder et al.	427	34	
	AF	4,345,928	8/24/82	Kawachi et al.	65	18.2	
	AG	4,363,647	12/14/82	Bachman et al.	65	18.2	
	AH	4,612,023	9/16/86	Kreutzer et al.	65	32	
	AI	4,650,511	3/17/87	Koya et al.	65	30.1	
	AJ	4,666,495	5/19/87	Kreutzer et al.	65	258	
	AK	4,789,389	12/6/88	Schermerhorn et al.	65	31.2	
	AL	4,917,718	4/17/90	Berkey	65	108	
	AM	5,043,002	8/27/91	Dobbins et al.	65	31.2	
	AN	5,326,729	7/5/94	Yaba et al.	501	54	
	AO	5,364,433	11/15/94	Nishimura et al.	65	17.4	
	AP	5,410,428	4/25/95	Yamagata et al.	359	350	
	AQ	5,415,953	5/16/95	Alpay et al.	430	5	
	AR	5,474,589	12/12/95	Ohga et al.	65	397	
	AS	5,599,371	2/4/97	Cain et al.	65	413	
	AT	5,609,666	3/11/97	Heitmann	65	421	
	AU	5,655,046	8/5/97	Todoroki et al.	385	144	
	AV	5,683,483	11/4/97	Yosiaki et al.	65	102	
	AW	5,667,547	9/16/97	Christiansen et al.	65	17.4	
	AX	5,668,067	9/16/97	Araujo et al.	501	54	
<i>JL</i>	AY	5,679,125	10/21/97	Hiraiwa et al.	65	397	
	AZ	5,683,483	11/4/97	Yosiaki et al.	65	102	

EXAMINER: *J. Rosasco* DATE CONSIDERED: *1/29/03*
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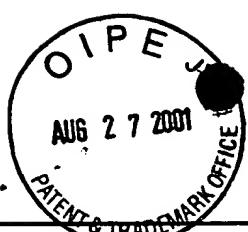
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	AA						
	AB						
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FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes No
<i>EC</i>	AK	1 084 995A1	3/21/01	EPO	C03B	19/14	X
	AL						
	AM						
	AN						
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	AR						
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DISCLOSURE STATEMENT

Berkey 48-8-2A

09/876,194

APPLICANT Berkey et al.

FILING DATE: June 6, 2001

GROUP: 2128

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date if Approp.
	AA						
	AB						
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AUG 30 2001
Technology Center 2100

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Translation Yes No
	AF	P2001-19450A	1/23/01	Japan	C03B	20/00	X
	AG	1 084 995A1	3/21/00	EPO	C03B	19/14	X
	AH	1 035 084	9/13/00	EPO	C03C	3/06	X
	AI	WO 00/24685	5/4/00	PCT	C03C	3/06	X

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